electrosec®

GD-USB
GSM DIALER, FCT & MULTI SMS UNIT USER'S MANUAL

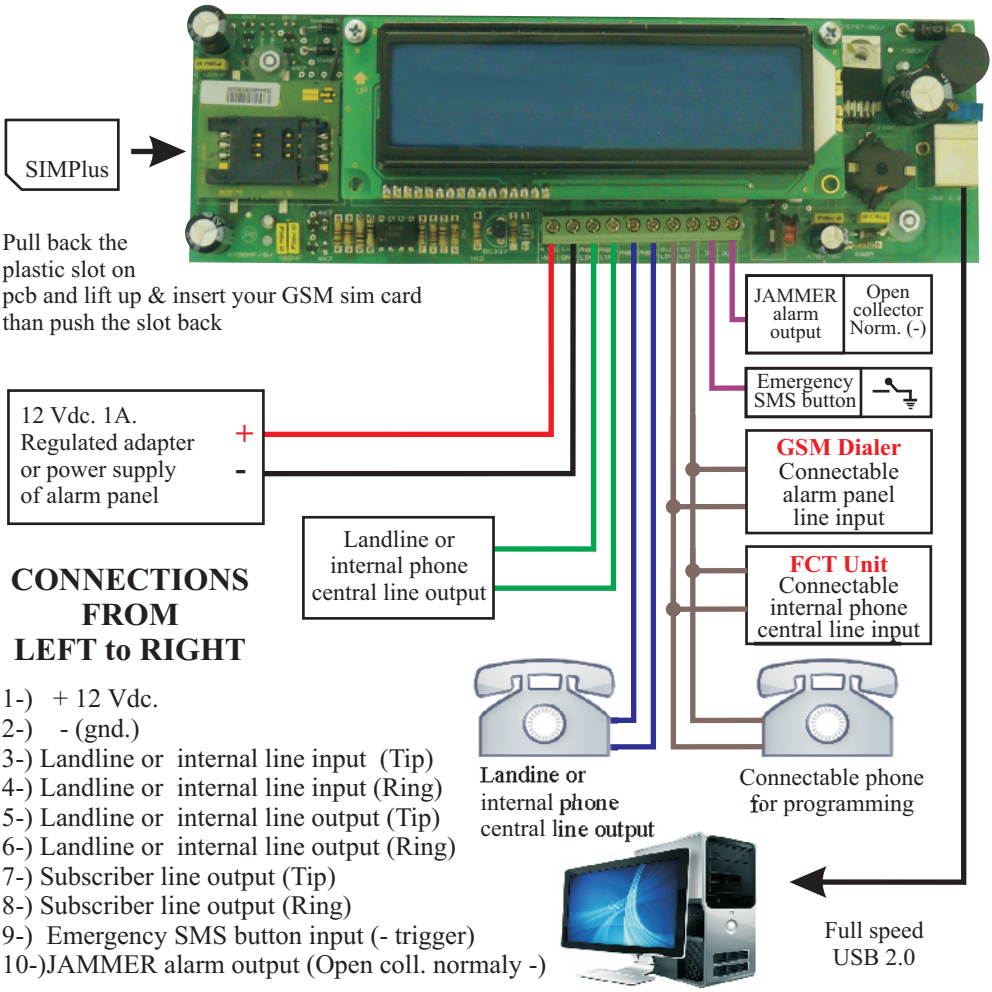
FEATURES

- Continuous Communication with Landline and GSM lines to AMS (Alarm Monitoring Station) & SMS sending
- Transfer via GSM data & SMS during landline failure
- Quad Band 800-900-1800-1900 Mhz. GSM module
- Detailed SMS sending; including message title, Alarm event, Alarm users name and Alarm zone name
- Convert to event transfer SMS, for all alarm units with ADEMCO contact ID format, either with or without AMS connection or disconnection
- Send emergency SMS button, JAMMER alarm output
- FCT unit compatible for all types of internal phone unit
- High Speed 2.0 USB computer input
- Windows XP-VISTA compatible
- Automatic software upgrade on internet
- MULTI SMS sending via PC control software
- Read incoming SMS via PC control software
- 2x16 large screen, blue backlight LCD
- Detailed English language program menu
- Stainless steel metal case, 12Vdc. input 500 mA.
- Dimensions : 285 x 128 x 52mm, Weight: 980 Gr

TECHNICAL SPECIFICATIONS

Input voltage	:	12-18 Vdc.
Current (St-by)	:	100 mA.
Current (Active)	:	400 mA.
GSM Modul Band	:	Quad 850,900,1800,1900 MHz.
Gsm Band Sensitive	:	850-900 Mhz. Typ. 107dBm.
Gsm Band Sensitive	:	1800-1900 Mhz. Typ.106 dBm.
FCT Ring Voltage	:	75 Vac. 100 mA. 25Hz.
FCT Subscriber Line Voltage	:	48Vdc. 100 mA.
Lcd Screen	:	2x16 LCD Blue screen
Programmable	:	Via Subscriber line
PC. Input	:	Full Speed USB 2.0
Cable Connections	:	Screw Type Socket
Thermal Protection	:	+ 125 C
Operating Temperature	:	-20 + 60 °C
Case Dimension	:	285 x 128 x 52mm.
Weight	:	980 Gr.
Antenna Dimension	:	5 cm. or 3mt. with cable

CONNECTION DIAGRAM

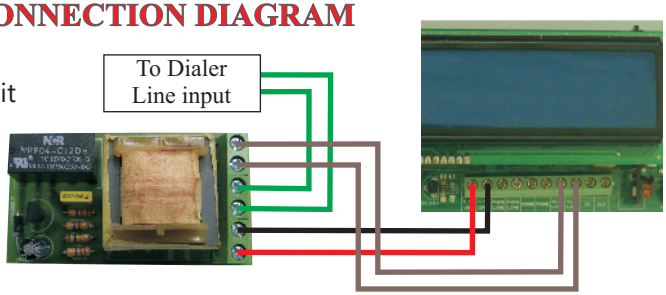

SIMPlus
Pull back the plastic slot on pcb and lift up & insert your GSM sim card than push the slot back
JAMMER alarm output
Open collector Norm. (-)
Emergency SMS button
12 Vdc. 1A. Regulated adapter or power supply of alarm panel
+
-
GSM Dialer Connectable alarm panel line input
Landline or internal phone central line output
FCT Unit Connectable internal phone central line input
Landine or internal phone central line output
Connectable phone for programming
Full speed USB 2.0

CONNECTIONS FROM LEFT to RIGHT

1-) + 12 Vdc.
2-) - (gnd.)
3-) Landline or internal line input (Tip)
4-) Landline or internal line input (Ring)
5-) Landline or internal line output (Tip)
6-) Landline or internal line output (Ring)
7-) Subscriber line output (Tip)
8-) Subscriber line output (Ring)
9-) Emergency SMS button input (- trigger)
10-)JAMMER alarm output (Open coll. normaly -)

ISOLATION CARD CONNECTION DIAGRAM

If GD-USB Gsm module will be connected to a dialer unit (VD-2005, TD-200 etc) using an isolation card is recommended. Connection diagram is on the right.



PROGRAMMING

To program , after inserting the SIM card, connect a basic telephone to connector no 7-8, considering the polarisation link the power supply to connector no 1-2 as shown in page 2.
In this case there should not be a link with connectors no 3 and 4. Otherwise the unit will not be in programming mode. After you make sure the unit is in the programming mode please connect the power supply to power point.
The following will appear on screen as it turns on.

This command indicates the GSM module is working properly.. If the unit does not proceed to command 2 after 1 second. There is a problem in the GSM module. Please contact your authorised agent.

Test the SIM card in the GSM module. If the SIM card is inserted you will see a YES sign on the second line. If you see NO sign on the second line please check the SIM card again and turn off the unit.

This command line checks if the SIM card has a PIN code. If there is not a PIN code you will see NO on the screen and move to the next step

This command checks the PIN code. If you see FALSE please enter the correct PIN code for the SIM card in menu 3

Please do not consider the other commands until you reach the screen shot below.
They are for system tests.

This main screen will appear after the commands. On the left hand side of the screen you will see 3 different digits indicating 3 different situations.

1- If everyting is normal an antenna display level chart will appear, increasing from left to right, If the unit is not in the GSM coverage area the chart will be empty and will flash. In this case please change the place of the unit or use an antenna extension.

2- If you see this symbol flashing SIM card PIN code is not correct. In this case pleae enter the correct PIN code from 3 menu and turn off the unit and then turn it on again.

3- If you see this symbol flashing SIM card is not inserted correctly. In this case please make sure the SIM card is inserted correctly and the SIM socket is locked and turn off the unit and then turn it on again.

The two different digits on the right hand side of the graphic indicates the external line or GSM line.

1- If you see this symbol on the grapfic it means connectors 3 and 4 has a connection failure. In this case system calls will be made through GSM line. When the connection is active the symbol flashes.

2- If you see this symbol on the grapfic it means connectors 3 and 4 has a connection failure. In this case system calls will be made through this line. When the connection is active the symbol flashes.

PROGRAM MENUS

After you make sure there is a no link in connectors 3 and 4 pick up the telephone and press * '**Program**' menu will appear on screen. Use 1-9 keys to enter program menus. Properties of a menu will be deleted if you enter with. * To save use #
The details of menus 1-9 are as follows:

*** 1 Area Code** : This menu is very important for the system to work properly. Suppose the GSM dialer is connected to an Alarm Station and the telephone number 2120310 is entered for the AHM. When there is no connection failure the GSM dialer will communicate without any problem. But when there is an external line failure, the unit will dial the same number from GSM line the telephone number will be incomplete. This is why the area code must be entered in the menu. If there is already a number with 11 digits is entered (0312xxxxxxx) in the Alarm Station then there is no need enter the area code in this menu.

*** 2 Extension Number** : Suppose that GSM Dialer unit is connected to an Alarm Station, one of the users internal line is used as an external line and telephone number 92120310 is entered in the Alarm Station. (9 at the beginning is for exit code) GSM dialer unit will communicate without any problem as long as there is an external line. But the number will be imcomplete if the unit dials the same number via GSM line. This is why a number for exit code must me entered in the Alarm Station.

*** 3 PIN CODE :** If there is a PIN Code assinged to the SIM card, please enter the PIN code using this menu.

*** 4 Message Title :** GD- USB unit is a professional device analysing the data between AMS and Alarm Station.The result of this data analysis can be sent to a telephone number via SMS if desired. To see the source of these SMS messegas 16 digit information can be entered using this menu. Factory settings show GSM Dialer Unit by default.You may change this if you desire. Use keys 1-9 to enter alphanumeric characters. If alphanumeric characters are not avaliable on the telephone, you may get help by checking the keys of a mobile phone.

*** 5 User Name** : With this menu Alarm Users names are entered . It is important as the user names will appear on the SMS messages.Maximum 9 different users can be entered.Following key 5 the user no is entered.Factory settings are name—0X Maximum 8 characters can be entered. Please enter the same directions for Messege Header for this menu as well.

*** 6 Area Name :** With this menu Area Names used in the Alarm are entered. It is important as the area names will appear on the SMS messages.Maximum 9 different areas can be entered. Following key 6 the area name is entered. Factory settings are area—0X Maximum 8 characters can be entered. Please enter the same directions for Messege Header for this menu as well.

*** 7 GSM Number** : With this menu the GSM numbers for sending SMS messeges are set. Maximum 3 different GSM numbers can be entered. Following key 7 the sequence number is set and entered. On the right hand side of the screen lat 2 digits appear –X . Maximum 14 characters can be entered.After entering each number a digit will move right automatically. The important point here is to enter the country code at the beginning of each GSM number. For example : if you want to enter GSM no 05332364947 , you must enter 905332364947. SMS messages will be sent starting from line 1.

*** 8 AMS Control** : This menu is designed assuming the GSM dialer is not connected to an Alarm Station not connected to an AMS. In this case GSM Dialer will send the information via SMS, to the GSM numbers assinged in Menu 7 , instead of an AMS. Uses International Ademco Contatc ID format. Factory settings are set as 2-Disabled. To turn on this feature enter 1-ON and Alarm station connected must contain a 7 digit telephone number and 4 digit Customer Number in the AMS menu.

*** 9 SMS sending** : With this menu you can set the GSM dialer to send SMS or not. Factory settings are set as 1-ON. To turn off this feature and stop the unit to send SMS, enter 2-Disabled

*** 0 SMS sending with button** : With this menu you can enter emergency SMS with button. Maximum 32 alphanumeric characters. Please enter the same directions for Messege Header for this menu as well.

After completing the settings in the Menus, link the unit using connectors 3 and 4. (landline or internal lines) After that please disconnect the telephone device in connectors 7 and 8 (subscriber lines) and connect to the unit you want to work with.

COMPUTER CONNECTION

Use the USB cable provided with the GSM dialer unit and connect one end of the cable to GD-USB device and the other end to your computers USB port, as shown in the connection diagram.
New Hardware wisard will apperar on the screen of your computer after you connect the cable. Please insert the installation CD in your computer.Select use a specified zone from the wisard and click next. Select Browse and choose Driver in the installation CD. İnstallation will start after you click Next.

After driver installation is complete right click My computer, Properties and select device manager.Please note the information in connecion settings Electrosec Comport (COMX). After loading the bulk SMS programme, double click GD-USB and run the programme.The screen below will appear on you computer. Click port settings and choose COMX that you noted before and save. You will see the communication icon flashing on the right hand side corner of the computer. After that you can set the names and GSM numbers using Add Contact. The important point here is to enter the country code at the beginning of each GSM number. Click the names of the contacts you want to send SMS to and select SEND SMS . The SMS should contain maximum 125 characters. To read received messages click READ SMS. If you have new messeges thay will appear on new messeges screen. Use Clear Messeges to delete the messeges you want. (1-9).

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